Michael Lee

Software Engineer, Los Angeles

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TECHNICAL SKILLS

Strong: JavaScript, jQuery, AngularJS, Node.js, Express, Polymer, D3.js, MongoDB, HTML5, CSS, Git
Experienced: MySQL, React, Grunt, Backbone.js, OAuth 2.0, Bootstrap, Mocha/Chai

RECENT PROJECTS

Forged | https://forged.herokuapp.com
Web based educational tool that adapts to the students' needs with an adaptive UI
- Architected single-page application with Polymer web components for modularity and customization of UI based on user performance
- Constructed multiple custom HTML elements for a customizable student dashboard view
- Connected HTML elements to server API and a MongoDB database for persistent user data.
- Developed product with CircleCI for continuous integration and live deployment to Heroku

Should We Watch This | https://shouldwewatchthis.herokuapp.com
Search a TV show for a graphical representation of its ratings and trends over seasons
- Integrated user sign-in and data storage functionality into existing codebase using AngularJS services with RESTful API
- Added dynamic search with suggestions of shows using jQuery UI and custom AngularJS directive
- Created a D3.js chart of season ratings with relative sizing for an improved user experience

Recflix, *Product Owner* | https://recflixapp.herokuapp.com
Full-stack movie recommendation application based on user preferences

- Designed front-end architecture with AngularJS for dynamic renderings of search results with interactivity such as a "to watch" list and modal views for trailers
- Integrated OAuth for Facebook and Google sign-ins with user data stored via MongoDB
- Utilized asynchronous OMDb API requests to consolidate recommendations and movie data
- Employed agile development principles with continuous deployment for constant iteration

ColorFinder, *Product Owner* | https://color-finder.surge.sh
A tool for developers and designers to discover colors with a simple and intuitive UI
- Used D3.js to render objects that dynamically update with user interactions
- Formulated color randomizing algorithm to return a palette of colors within a specified range

WORK EXPERIENCE

Beyond Curriculum, *San Marino, CA* | **Lead Instructor**   2012 - 2015
- Designed student progress tracking system that increased student SAT scores by 150+ points
- Overhauled scheduling system to coordinate schedules of 15+ tutors and 80+ students
- Developed curriculum and instructed students through credentialed online courses

JET Programme, *Hyogo, Japan* | **Assistant Language Teacher**   2009 - 2011
- Collaborated with English teachers to develop middle-school English competency curriculum
- Developed curriculum and led seminars for district-wide elementary school English program

UCLA Jonsson Cancer Center, *Los Angeles, CA* | **Laboratory Technician**   2006 - 2009
- Maintained 100% pass rating while responsible for lab safety compliance reviews
- Managed collaborative online database used by multiple departments for ordering and maintaining stock of laboratory supplies and materials

EDUCATION

Hack Reactor - *Advanced Software Engineering Immersive Program,*   2015 - 2016
University of California, Los Angeles - *B.S. Psychobiology,*   2005 - 2009